


# ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| <b>Title of Invention</b>  | <b>LIGHT-EMITTING DEVICE</b>   |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
|----------------------------|--|--|--------------------------|-------------------|-----------|--------------|---|---------------|---------------------|------|------------|---------------|-------------------|------|------------|---------------|-------------------|-------|------------|---------------|------------------|-------|------------|---------------|------------------|-------|------------|------------|---------------------|------|------------|------------|----------------|-------|------------|------------|----------------|-------|------------|--------------|---------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|----------------|---------------------|------|------------|----------------|--------------------|------|------------|----------------|--------------------|-------|------------|----------------------------|---------------------|-----|------------|----------------------------|--------------------------------|------|------------|----------------------------|--------------------------------|-------|------------|------------------|--------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|----------------------|-------|------------|------------------|----------|------|------------|------------------|-------------|-------|------------|------------------|---------------------|-------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|-------------|------|------------|------------------|------------|------|------------|
| Submission Type :          | Utility Patent Filing  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Application Number:        | 10/605539  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| EFS ID:                    | 48898  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Server Response:           | <table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>2538</td> </tr> </tbody> </table>  |  |                          | Confirmation Code | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1         | 2538                |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Confirmation Code          | Message  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| ISVR1                      | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| ICON1                      | 2538   |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| First Named Applicant:     | Tzong-Liang Tsai   |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Attorney Docket Number:    | UECP0001USA  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| Timestamp:                 | 2003-10-06 23:55:09 EDT  |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| From:                      | us   |  |                          |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| File Listing:              | <table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-assignment</td><td>UECP0001-usassn.xml</td><td>2303</td><td>2003-10-06</td></tr> <tr><td>us-assignment</td><td>us-assignment.xml</td><td>8983</td><td>2003-10-06</td></tr> <tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2003-10-06</td></tr> <tr><td>us-assignment</td><td>UECP0001ASS1.tif</td><td>35512</td><td>2003-10-06</td></tr> <tr><td>us-assignment</td><td>UECP0001ASS2.tif</td><td>36380</td><td>2003-10-06</td></tr> <tr><td>us-request</td><td>UECP0001-usrequ.xml</td><td>3391</td><td>2003-10-06</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2003-10-06</td></tr> <tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2003-10-06</td></tr> <tr><td>us-fee-sheet</td><td>UECP0001-usfees.xml</td><td>1970</td><td>2003-10-06</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2003-10-06</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2003-10-06</td></tr> <tr><td>us-declaration</td><td>UECP0001-usdecl.xml</td><td>1229</td><td>2003-10-06</td></tr> <tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2003-10-06</td></tr> <tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2003-10-06</td></tr> <tr><td>us-power-of-attorney-grant</td><td>UECP0001-uspoat.xml</td><td>932</td><td>2003-10-06</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.dtd</td><td>4923</td><td>2003-10-06</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.xml</td><td>12448</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>UECP0001-trans.xml</td><td>20655</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2003-10-06</td></tr> <tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2003-10-06</td></tr> </tbody> </table> |  |                          | Doc. Name         | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | us-assignment | UECP0001-usassn.xml | 2303 | 2003-10-06 | us-assignment | us-assignment.xml | 8983 | 2003-10-06 | us-assignment | us-assignment.dtd | 10898 | 2003-10-06 | us-assignment | UECP0001ASS1.tif | 35512 | 2003-10-06 | us-assignment | UECP0001ASS2.tif | 36380 | 2003-10-06 | us-request | UECP0001-usrequ.xml | 3391 | 2003-10-06 | us-request | us-request.dtd | 19064 | 2003-10-06 | us-request | us-request.xml | 33300 | 2003-10-06 | us-fee-sheet | UECP0001-usfees.xml | 1970 | 2003-10-06 | us-fee-sheet | us-fee-sheet.xml | 24912 | 2003-10-06 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2003-10-06 | us-declaration | UECP0001-usdecl.xml | 1229 | 2003-10-06 | us-declaration | us-declaration.dtd | 3833 | 2003-10-06 | us-declaration | us-declaration.xml | 10015 | 2003-10-06 | us-power-of-attorney-grant | UECP0001-uspoat.xml | 932 | 2003-10-06 | us-power-of-attorney-grant | us-power-of-attorney-grant.dtd | 4923 | 2003-10-06 | us-power-of-attorney-grant | us-power-of-attorney-grant.xml | 12448 | 2003-10-06 | application-body | UECP0001-trans.xml | 20655 | 2003-10-06 | application-body | us-application-body.xml | 83497 | 2003-10-06 | application-body | application-body.dtd | 49498 | 2003-10-06 | application-body | wipo.ent | 4956 | 2003-10-06 | application-body | mathml2.dtd | 54588 | 2003-10-06 | application-body | mathml2-qname-1.mod | 13225 | 2003-10-06 | application-body | isoamsa.ent | 5191 | 2003-10-06 | application-body | isoamsb.ent | 3988 | 2003-10-06 | application-body | isoamsc.ent | 1460 | 2003-10-06 | application-body | isoamsn.ent | 5620 | 2003-10-06 | application-body | isoamso.ent | 1934 | 2003-10-06 | application-body | isoamsr.ent | 7073 | 2003-10-06 | application-body | isogr3.ent | 3559 | 2003-10-06 |
| Doc. Name                  | File Name  | Size (Bytes)   | Date Produced (yyyymmdd) |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
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| us-assignment              | us-assignment.dtd  | 10898  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | UECP0001ASS1.tif   | 35512  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-assignment              | UECP0001ASS2.tif   | 36380  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-request                 | UECP0001-usrequ.xml  | 3391   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-request                 | us-request.dtd   | 19064  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-request                 | us-request.xml   | 33300  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-fee-sheet               | UECP0001-usfees.xml  | 1970   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-fee-sheet               | us-fee-sheet.xml   | 24912  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-fee-sheet               | us-fee-sheet.dtd   | 11069  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-declaration             | UECP0001-usdecl.xml  | 1229   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-declaration             | us-declaration.dtd   | 3833   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-declaration             | us-declaration.xml   | 10015  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-power-of-attorney-grant | UECP0001-uspoat.xml  | 932  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-power-of-attorney-grant | us-power-of-attorney-grant.dtd   | 4923   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| us-power-of-attorney-grant | us-power-of-attorney-grant.xml   | 12448  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | UECP0001-trans.xml   | 20655  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | us-application-body.xml  | 83497  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | application-body.dtd   | 49498  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | wipo.ent   | 4956   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | mathml2.dtd  | 54588  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | mathml2-qname-1.mod  | 13225  | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsa.ent  | 5191   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsb.ent  | 3988   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsc.ent  | 1460   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsn.ent  | 5620   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamso.ent  | 1934   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isoamsr.ent  | 7073   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |
| application-body           | isogr3.ent   | 3559   | 2003-10-06               |                   |           |              |   |               |                     |      |            |               |                   |      |            |               |                   |       |            |               |                  |       |            |               |                  |       |            |            |                     |      |            |            |                |       |            |            |                |       |            |              |                     |      |            |              |                  |       |            |              |                  |       |            |                |                     |      |            |                |                    |      |            |                |                    |       |            |                            |                     |     |            |                            |                                |      |            |                            |                                |       |            |                  |                    |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |                  |                     |       |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |             |      |            |                  |            |      |            |

| Doc. Name        | File Name           | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|---------------------|--------------|--------------------------|
| application-body | isomfrk.ent         | 4553         | 2003-10-06               |
| application-body | isomopf.ent         | 2571         | 2003-10-06               |
| application-body | isomscr.ent         | 4628         | 2003-10-06               |
| application-body | isotech.ent         | 5268         | 2003-10-06               |
| application-body | isobox.ent          | 3568         | 2003-10-06               |
| application-body | isocyr1.ent         | 5345         | 2003-10-06               |
| application-body | isocyr2.ent         | 2504         | 2003-10-06               |
| application-body | isodia.ent          | 1508         | 2003-10-06               |
| application-body | isolat1.ent         | 5282         | 2003-10-06               |
| application-body | isolat2.ent         | 9007         | 2003-10-06               |
| application-body | isonum.ent          | 5913         | 2003-10-06               |
| application-body | isopub.ent          | 6621         | 2003-10-06               |
| application-body | mmlextra.ent        | 7901         | 2003-10-06               |
| application-body | mmlalias.ent        | 38209        | 2003-10-06               |
| application-body | soextblx.dtd        | 12870        | 2003-10-06               |
| application-body | uecp0001usa-01.tif  | 2602         | 2003-10-06               |
| application-body | uecp0001usa-02.tif  | 3012         | 2003-10-06               |
| application-body | uecp0001usa-03.tif  | 2836         | 2003-10-06               |
| application-body | uecp0001usa-04.tif  | 2958         | 2003-10-06               |
| us-declaration   | UECP0001DEC1.tif    | 38092        | 2003-10-06               |
| us-declaration   | UECP0001DEC2.tif    | 34874        | 2003-10-06               |
| package-data     | UECP0001-pkda.xml   | 9210         | 2003-10-06               |
| package-data     | package-data.dtd    | 27025        | 2003-10-06               |
| package-data     | us-package-data.xsl | 19263        | 2003-10-06               |
| Total files size |                     | 732026       |                          |

Message Digest:

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cn=Winston Hsu,ou=Registered  
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Government,c=US